



LOUISIANA NATURAL AND SCENIC RIVERS SYSTEM

PERMIT APPLICATIONPermit # 908 (Assigned by Department)

The Louisiana Department of Wildlife and Fisheries' Scenic Rivers program is authorized by LRS title 56, Chapter 9 Part II. This law requires permits authorizing activities in or affecting rivers that have been designated by the Louisiana Legislature as Natural and Scenic. Information provided on this form will be used in evaluating the application for a permit. Information in this application is made a matter of public record through issuance of a public notice. Disclosure of the information requested is voluntary, however, the data requested are necessary in order to communicate with the applicant and to evaluate the permit application. If necessary information is not provided, the permit application cannot be processed nor can a permit be issued.

APPLICANT INFORMATION

Name of Applicant Texas Petroleum Investment Company	Name of Agent (if any) Jane Fournet
Address 5850 San Felipe	Address 135 Regency Square
Address Suite 250	Address
City, State, Zip Houston, Tx, 77057	City, State, Zip Lafayette, LA 70508
Phone (713)789-9925	Phone (337) 237-2200

DESCRIPTION OF THE PROPOSED ACTIVITY

Brief summary of the description and purpose of the proposed activity (details to be attached as a separate document)
Proposed propwash and structures for the Little "M" Prospect on the northeast bank of Bayou Des Allemands. The purpose of the proposed activity is to drill a new oil and gas well.
Is any portion of the activity complete? YES <input checked="" type="radio"/> NO (If yes indicate month and year of completion)

LOCATION OF PROPOSED ACTIVITY

Stream Name	Bayou Des Allemands	Names, Addresses, Phone Numbers of Adjacent Property Owners
Parish	St. Charles Parish	
Section	18	
Township	15S	
Range	21E	
Latitude/Longitude	29°45'59"N, 90° 22' 39"W	

ENVIRONMENTAL ASSESSMENT

Must be a separate document. See the attached instruction sheet for completing the assessment.

CONFIRMATION OF INFORMATION ACCURACY

Application is hereby made for a Scenic River Use Permit to authorize the activities described herein. I certify that I am familiar with the information contained in this application, and that, to the best of my knowledge and belief, such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities, or I am acting as the duly authorized agent of the applicant.
--

Jane Fournet
Signature

7/30/2014
Date



Engineers • Surveyors
Environmental Consultants

July 24, 2014

Mr. Zachary Chain
Louisiana Department of Wildlife and Fisheries
Scenic Rivers Program
P.O. Box 98000
Baton Rouge, LA 70898-9000

RE: SCENIC RIVERS PERMIT APPLICATION
TEXAS PETROLEUM INVESTMENT COMPANY
LITTLE "M" PROSPECT
BAYOU DES ALLEMANDS
SECTION 18, T15S-R21E
ST. CHARLES PARISH, LOUISIANA

Dear Mr. Chain:

We have been appointed by Texas Petroleum Investment Company to serve as their agent in obtaining a permit from Louisiana Department of Wildlife and Fisheries - Scenic Rivers Program for the above referenced project. The project purpose is to install a drilling barge for drilling the Little "M" Prospect. The project will require removal of approximately 4,209 cubic yards via propwashing.

Fenstermaker has filed for a required U.S. Army Corps of Engineers permit on behalf of Texas Petroleum Investment Company. The permit application reference number is MVN-2014-01711-EPP.

Please note that Texas Petroleum Investment Company does not have a compliance history, or any outstanding issues regarding permitted activities.

Enclosed are a set of drawings, a Scenic Rivers Permit Application, an Environmental Assessment with project site photos, a signed legal agreement, and a check in the amount of \$100.00 to cover the required fee.

Should you have further questions regarding this matter, please feel free to contact me at the address or phone number of our Lafayette office shown below or via e-mail at jane@fenstermaker.com.

Sincerely,

FENSTERMAKER

Jane Fournet
Operations Leader

Enclosures

T:\2014\2143898\ENVIRONMENTAL\Scenic River Application\LDWF Scenic River Cover Letter.doc

ENVIRONMENTAL ASSESSMENT
LITTLE "M" PROSPECT

TEXAS PETROLEUM INVESTMENT COMPANY
ST. CHARLES PARISH, LOUISIANA

Lafayette
135 Regency Square
Lafayette, LA 70508
P. O. Box 52106 (70505)
337.237.2200 phone
337.232.3299 fax

New Orleans
1100 Poydras, Suite 1550
New Orleans, LA 70163
P. O. Box 57089 (70157-7089)
504.582.2201 phone
504.582.2210 fax

Baton Rouge
445 North Blvd., Suite 60
Baton Rouge, LA 70802
225.344.6701 phone
337.232.3299 fax

Houston
5005 Riverway, Suite 300
Houston, TX 77056
713.840.9995 phone
713.840.9997 fax

Shreveport
401 Market Street
Shreveport, LA 71101
318.222.0040 phone
318.222.0042 fax
www.fenstermaker.com

Prepared by:
C. H. FENSTERMAKER & ASSOCIATES, LLC
Project Manager: Jane Fournet
(337) 237-2200
jane@fenstermaker.com

July 24, 2014



ENGINEERS • SURVEYORS
ENVIRONMENTAL CONSULTANTS



State of Louisiana

BOBBY JINDAL
GOVERNOR

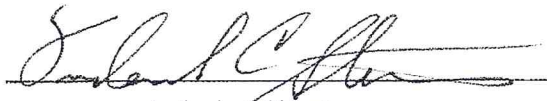
DEPARTMENT OF WILDLIFE AND FISHERIES

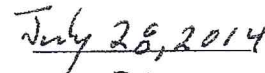
ROBERT J. BARHAM
SECRETARY

Dear Scenic River Permit Applicant:

Please review and concur on the following statement regarding the issuance of permits by the Louisiana Department of Wildlife and Fisheries. This agreement must be signed and returned before a Scenic River Permit can be issued.

"I have been advised and do understand that by applying for and accepting a Scenic Rivers permit issued by the Louisiana Department of Wildlife and Fisheries, I am being allowed to engage in an activity which would otherwise be prohibited by law or for which a permit is required. I understand that the permit is not a license and confers no property right upon me. I specifically agree to abide by all State and Federal fish and wildlife laws and regulations, and all State and Federal laws and regulations which relate to this permit or the permitted activity, and by all other terms and conditions of this permit. I understand that the permit for which I am applying may be suspended, annulled, withdrawn or revoked and that I may be assessed civil penalties, all in accordance with the provision of the Louisiana Administrative Procedure Act, and that I may be denied future permits as a consequence of my failure to fully and completely comply with the terms and conditions of the permit, as well as other laws and regulations pertinent thereto. If served with or notified of a cease and desist order signed by the Scenic Rivers Administrator, I agree to immediately and without delay cease all activities and operations which relate to the permitted activity or which are impacting the Scenic River, until such time as the matter can be resolved in an adjudicatory hearing pursuant to the Louisiana Administrative Procedure Act. I understand and agree that any permit issued to me by the Louisiana Department of Wildlife and Fisheries is in the nature of a privilege which is being voluntarily extended to me by the Department and the failure on my part to cooperate with the Department can result in the loss of the privilege conferred and the denial of future requests for permits. By accepting this permit, I evidence my agreement to be bound by all conditions and stipulations set forth herein."


Authorized Signature


Date

REV. 12/7/98

Introduction

Texas Petroleum Investment Company (applicant) proposes to propwash an existing slip and construct structures along Bayou Des Allemands. The property is owned by the State of Louisiana and is on the north bank of Bayou Des Allemands.

Purpose

The purpose of the proposed project is to clean out part of a slip in order to accommodate a drilling barge.

Project Description

Approximately 4,209 yds³ of native material will be displaced from an existing slip in order to move a drilling barge into position for drilling activities. All impacts will occur in the water bottoms of an existing slip adjacent to Bayou Des Allemands.

Project Location

The proposed activities would occur on the northeast bank of Bayou Des Allemands, approximately 7.1 miles southeasterly from the town of Des Allemands, in Section 18, T15S-R21E, St. Charles Parish, Louisiana. Approximate coordinates for the project are Lat. 29° 45' 59" N; Long. 90° 22' 39" W (Appendix A - Figure 1).

Photo Report

Photos of the project area are provided in Appendix B

Other Permitting Requirements

An Office of Coastal Management permit has been applied for as well as a U.S. Army Corps of Engineers (COE) New Orleans District permit. A St. Charles Parish letter of no objection will also be requested.

Environmental Assessment**a. Existing Land Use**

Currently, the area is an open water bottom adjacent to the northeast bank of Bayou Des Allemands.

b. Historical/Archaeological Sites

According to the Louisiana Office of Cultural Development State Historic Preservation Office web site file search at http://crt-esri.crt.state.la.us/archweb_1/index.html, there are three documented archaeological sites and one archaeological survey within a mile of the project area:

- 0.5 mi south, 16TA38 lithic and ceramic artifact scatter
- 0.9 mi southwest, 16TA35 historic cemetery with possible prehistoric internments
- 0.9 mi north 16TA39 prehistoric artifact scatter.

Potential exists for finding an archaeological site along elevated areas adjacent to the bayou. If cultural resources are found during the construction, work will cease in the immediate area and a qualified archaeologist will be contacted.

c. Economic Impact of the Project

The proposed project would provide a short term economic benefit to local materials suppliers and businesses directly associated with construction of the project. No long term economic impacts would result from construction or maintenance of the proposed project.

d. Wilderness/Rural Quality

Some of the project will fall into the south-west corner of the Salvador Wildlife Management Area. Construction of the proposed project would result in a permanent minor alteration to the wilderness/rural quality of Bayou Des Allemands.

e. Scenic/Aesthetic Value

Construction methods and materials have been designed and selected to maintain the scenic/aesthetic value of the river as much as possible, while meeting project objectives to access a geologically feasible location. Construction of the proposed project would result in a permanent minor alteration to the scenic/aesthetic value of Bayou Des Allemands.

f. Recreational Use/Opportunities

Construction of structures associated with the proposed project would result in minor positive improvement to recreational use and opportunities of Bayou Des Allemands by creating potential shelter, forage and nursery habitat for aquatic species. The project would not hamper or impede recreational use on the river.

g. Ecological Systems Present

The ecosystem in the project area is a shallow, nontidal freshwater riverine system. Construction of the proposed project would have minor short term impacts to ecological systems within the vicinity of the proposed project. Construction for the barge will disturb the streambed substrates and result in short term disturbance to the ecology during construction phase of the project. Stream bottom fauna and flora are expected to reestablish within a short time upon completion of the work. There will be a temporary localized increase in suspended sediments in the water column during propwashing. No permanent or measureable affects to aquatic species or their habitats would be expected to occur as a result of the propwashing activities.

h. Fish and Wildlife in the Area

Construction of the project would occur within a cut or existing offshoot of the river. Propwashing activities have potential to impact sessile and burrowing species within the project area. Construction of the proposed project would have minor short term impacts to fish and wildlife within the vicinity of the proposed project. Fauna and flora are expected to reestablish within a short time upon completion of the work. No impacts to terrestrial fauna are expected to occur as a result of the proposed project.

Federal Species

The U. S. Fish and Wildlife Service list of threatened, endangered and candidate species in St. Charles Parish includes: West Indian manatee, gulf sturgeon, pallid sturgeon, and Sprague's pipit. Activities associated with the proposed project are not likely to adversely affect those species. The list of federal species was obtained at http://www.fws.gov/lafayette/pdf/LA_T&E_Species_List.pdf (accessed July 25, 2014).

West Indian Manatee (*Trichechus manatus*) (federal status – endangered)

U.S. populations of the West Indian manatee occur primarily in Florida, but are known to range throughout bays and estuaries as far west as Texas during the warmer months. In Louisiana, manatees have been known to occur in Lake Pontchartrain and its major tributaries. And, due to habitat suitability (water temperature, foraging), would be expected to remain nearer the lake towards the mouths of those tributaries. No critical habitat for this species has been established in Louisiana. Manatees inhabit freshwater, brackish and marine habitats, preferring shallow water (4' - 7') where they forage on floating and submerged aquatic vegetation.

Manatees are listed to occur in St. Charles Parish due to occurrence records in the Lake Pontchartrain Basin. Bayou des Allemands is not hydrologically connected to the Lake Pontchartrain Basin. It is unlikely that manatees would occur in Bayou Des Allemands or in the project area.

Determination: Construction of the proposed project is not likely to adversely affect West Indian manatees.

Gulf Sturgeon (*Acipenser oxyrinchus desotoi*) (federal status - threatened)

The gulf sturgeon is an anadromous fish species which spawns in freshwater riverine habitat during summer months and migrates to marine waters during winter. Spawning usually occurs over hard clay, rubble, gravel, or shell (may also spawn in tidal waters or brackish water). Most individuals return to their natal river to spawn. In Louisiana, records of occurrence are known from the Amite River, the Tickfaw River, Tangipahoa River, Liberty Bayou-Tchefuncte River, Lake Pontchartrain, Middle Pearl River, Lower Pearl, and the Bogue Chitto River. Critical habitat has been established in the Pearl River basin, north of the Causeway Bridge (St. Tammany Parish).

The USFWS lists gulf sturgeons in St. Charles Parish due to occurrence records in the Lake Pontchartrain Basin. However, Bayou des Allemands is not hydrologically connected to the Lake Pontchartrain Basin. The Louisiana Department of Wildlife and Fisheries Natural Heritage Program database does not indicate this species to occur in Lake Charles Parish. It is unlikely that gulf sturgeons would occur in Bayou Des Allemands or in the project area. The proposed project would not impact critical habitat.

Determination: Activities associated with construction and maintenance of the proposed project are not likely to adversely affect gulf sturgeon.

Pallid Sturgeon (*Scaphirhynchus albus*) (federal status - endangered)

The pallid sturgeon is a large fish species known from the Mississippi River and its major tributaries including the Red River. This species is dependent upon a fast flowing current for all phases of its life cycle. Spawning occurs over rock or gravel bottom areas from March to April. Bayou Des Allemands is not directly connected to the Mississippi River. It is unlikely that pallid sturgeons would occur in Bayou Des Allemands based on the lack of hydrological connectivity to the Mississippi river and that the flow and volume of Bayou Des Allemands is not congruent with the habitat requirements of this species.

Determination: Activities associated with construction and maintenance of the proposed project would have no effect on pallid sturgeons.

Sprague's Pipit (*Anthus spragueii*) (federal status - candidate)

Sprague's pipit is a small, short-distance migrant bird species strictly associated with well-drained, open grasslands and fields, with a preference for native grasses of intermediate height and thickness; and moderate litter depths for foraging and nesting. Breeding occurs throughout the summer (April – November) on the native prairies of the Great Plains (southern regions of Alberta, Saskatchewan, and Manitoba provinces to Montana, North and South Dakota, and Minnesota). Pipits migrate southward from September into November, to wintering grounds on the grasslands of Arizona, New Mexico, Texas, Oklahoma, Arkansas, Mississippi, Louisiana, and into Mexico. Sprague's pipits are likely to be observed in open fields with few to no shrubs or woody vegetation. The project would not impact terrestrial habitats, nor does suitable habitat for this species occur within the vicinity of the proposed project site.

Determination: Construction of the project would result in no effect to Sprague's pipit.

State Species

The Louisiana Department of Wildlife and Fisheries Natural Heritage Program's (LNHP) online database lists the following species for St. Charles Parish (obtained at http://www.wlf.louisiana.gov/wildlife/species-parish-list?tid=264&type_1=All (accessed July 25, 2014)).

West Indian Manatee (*Trichechus manatus*)

See comments and determination under federal species above.

Pallid sturgeon (*Scaphirhynchus albus*)

See comments and determination under federal species above.

Paddlefish (*Polyodon spathula*)

The paddlefish is an anadromous fish species which inhabits slow-flowing, large and medium-sized rivers, river-margin lakes, channels, oxbows, backwaters, and impoundments with access to spawning areas. This species prefers depths greater than 5 feet, and seeks deeper water in late fall and winter. It may congregate near (human-made) structures that create eddies and reduce current velocity. Spawning occurs in fast, shallow water over gravel bars. The proposed propwash activity is needed due to shallow water depth (<5') in the slip which indicates that paddle fish are not likely to occur in the project area. Based on information on water depths in the area, it's unlikely that propwashing activities associated with construction of the proposed project would affect this species or its habitat.

Bald Eagle (*Haliaeetus leucocephalus*)

Federally listed until 2007 when it was delisted due to recovery, bald eagles remain protected under the Bald and Golden Eagle Protection Act and the Migratory Bird Treaty Act. In Louisiana, bald eagles nest between October 31 and May 1, typically within ½ mile of large lakes and water bodies. They commonly nest in large cypress or tupelo trees, but also will nest in pine and oak species. The USFWS *National Bald Eagle Management Guidelines* recommend that clearing/construction activities remain more than 330 feet from an *active* bald eagle nest tree in areas where there is a visual buffer (i.e., a dense forested zone) between the nest and the proposed activity; and, more than 660 feet from *active* nest trees in areas where there is no visual buffer. No suitable habitat for bald eagles occurs within the vicinity of the project area.

i. Botanical Elements (Vegetation)

Construction of the project should not disturb existing vegetation along any of the banklines surrounding the project.

j. Geological Features

The proposed project area is located within the Mississippi Alluvial Plain ecoregion of the Mississippi Alluvial and Southeast USA Coastal Plains region. The ecoregion is generally described as a broad, flat alluvial plain with river terraces, swales, and levees providing the main elements of relief. Thick deposits of Pleistocene to Holocene sandy to clayey alluvium occur. Soils are typically finer-textured and more poorly drained than the upland soils of adjacent Ecoregions 8.3.6 and 8.3.7, although there are some areas of coarser, better-drained soils. Alfisols, Vertisols, Inceptisols, and Entisols occur and have a thermic soil temperature regime, with some hyperthermic in the far south. Soil moisture regimes are aquic and udic.

k. Hydrological Features

Temporary, minor and localized disturbance to hydrology in the immediate vicinity of the construction activities is expected during construction. No long term or permanent impacts to hydrology would occur as a result of the proposed project.

l. Water Quality/Quantity

Minimal disturbance to water quality would occur during construction activities. Work practices will be implemented to minimize debris entering the river during construction and to minimize silt deposition within the river. No impacts to the water quantity or flow would result from construction or maintenance of the proposed project

Statement of Justification

Without propwashing, the applicant would not be able to move the drilling barge into the slip. Other sites would need to be identified and investigated from a geological standpoint and assessed for potential environmental consequences. The proposed location represents a geologically feasible placement with minimal environmental impacts.

Alternative Locations and/or Methods Considered

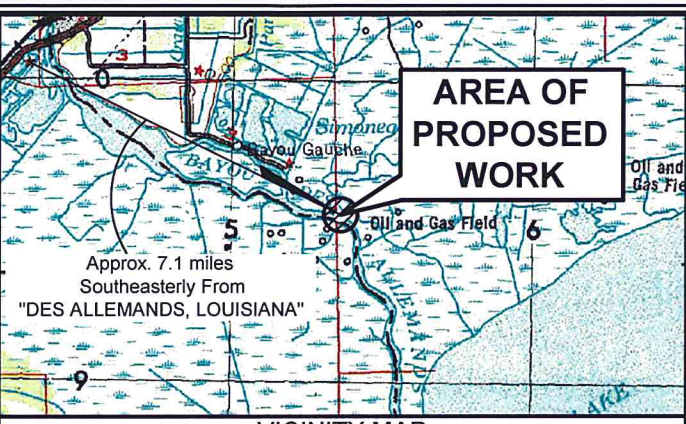
Texas Petroleum Investment Company has chosen the proposed location because using an existing canal to access the objective would be economically and geologically feasible, and would minimize environmental impacts. The proposed location requires the least amount of propwashing. Texas Petroleum considered drilling a vertical well, however, drilling a vertical well to access the Little "M" Prospect objective would also require moving drilling barge into the area, and would require greater disturbance of aquatic habitats in the project area and aquatic habitats directly associated with the Bayou Des Allemands Scenic River. An area off of the main channel of Bayou Des Allemands was chosen not to interfere with boat traffic.

Conclusion

The proposed prop wash and drilling structures will have minor permanent aesthetic impacts to Bayou Des Allemands. However, construction of the project would allow the continued access and enjoyment of the scenic properties by all and provide habitat for many Bayou organisms. No federal or state listed species are likely to occur in the project area, or be adversely affected by the proposed activities.

R 21 E

**AREA OF
PROPOSED
WORK**



VICINITY MAP
NOT TO SCALE

Sec. 18

Sec. 13

T
15
S

PROPOSED PROPWASH & STRUCTURES:
Texas Petroleum Investment Company-
Little "M" Prospect
(NAD 27)
X=2,303,328
Y= 401,072
(NAD 83)
X=3,584,129
Y= 461,779
Lat. 29°45'59"
Long. 90°22'39"

ST. CHARLES PSH.
LAFOURCHE PSH.

TPIC-
BDA 5500 SU;
Delta Securities
5

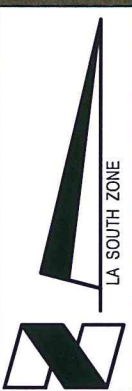
Begin Propwash
Lat. 29°45'55"
Long. 90°22'37"

Sec. 38

Bayou Des Allemands

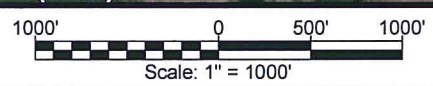
Sec. 19

Sec. 39



NOTE:
THE CONTENTS OF THESE PLANS ARE INTENDED
EXCLUSIVELY FOR THE PURPOSE OF OBTAINING
ENVIRONMENTAL COMPLIANCE PERMITS

VICINITY MAP



TEXAS PETROLEUM INVESTMENT COMPANY
PROPOSED PROPWASH & STRUCTURES
Little "M" Prospect
Section 18, T15S-R21E
St. Charles Parish, Louisiana



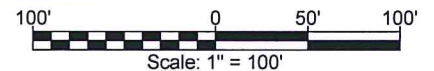
Lafayette New Orleans Houston
135 Regency Sq. Lafayette, LA 70508
Ph. 337-237-2200 Fax. 337-232-3299
www.fenstermaker.com

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PROJ. MGR.: RLL		SHEET 1 OF 3 SHEETS
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PLAN VIEW



TEXAS PETROLEUM INVESTMENT COMPANY
PROPOSED PROPWASH & STRUCTURES
Little "M" Prospect
 Section 18, T15S-R21E
 St. Charles Parish, Louisiana



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 135 Regency Sq. Lafayette, LA 70508
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DRAWN BY: KJD

REVISED:

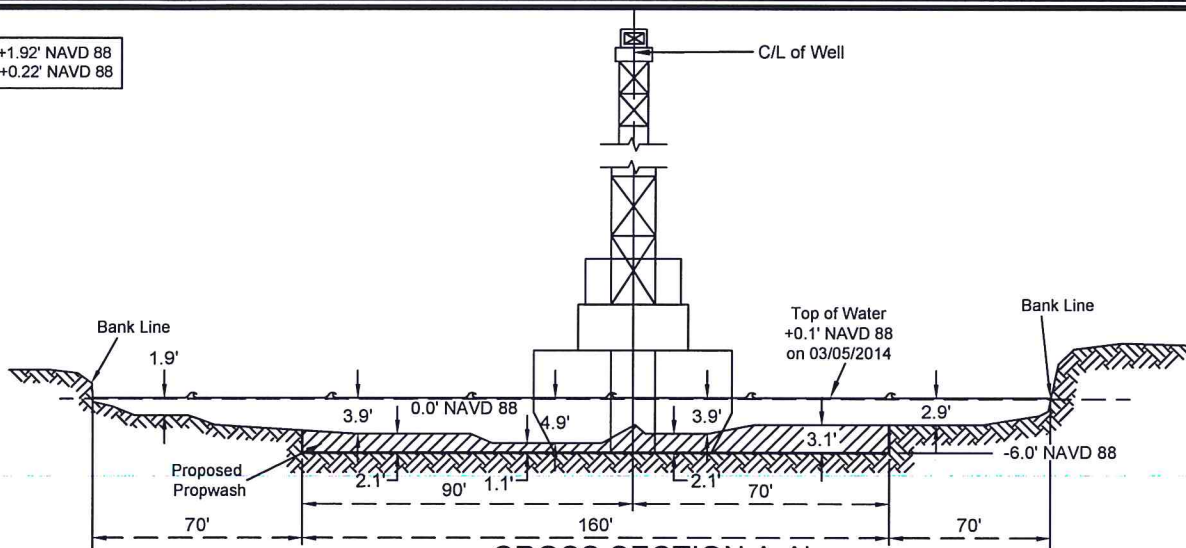
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SHEET 2 OF 3 SHEETS

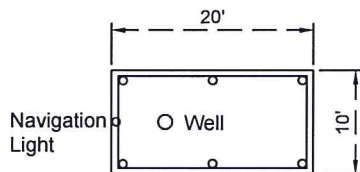
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MHWL +1.92' NAVD 88
MLWL +0.22' NAVD 88

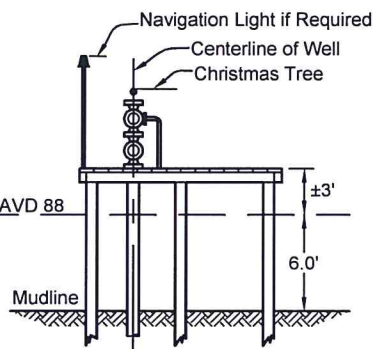


CROSS SECTION A-A'

Horizontal Scale: 1" = 50'
Vertical Scale: 1" = 20'



PLAN VIEW



To be constructed upon successful completion of well.

ELEVATION

TYPICAL 10'x 20' WELL PROTECTOR PLATFORM

No Scale

TOTAL PROPWASH REQUIRED 4209 Cu. Yds.
IMPACTED AREA FOR PROPWASH 1.2 Acres
MAXIMUM DRAFT OF VESSELS 6.0 Ft.

NOTES:

1. All structures, facilities, well and pipelines/flowlines occurring in open water areas or in oilfield canals or slips shall be removed within 120 days of abandonment of the facilities for the herein permitted use unless prior written approval to leave such structures in place is received from the Coastal Management Division. This condition does not preclude the necessity for revising the current permit or obtaining a separate Coastal Use Permit, should one be required, for such removal activities.
2. As-built drawings shall be submitted within 30 days of completion of this project to the Louisiana Department of Natural Resources, Coastal Management Division, P.O. Box 44487, Baton Rouge, LA 70804-4487 and to Louisiana Land and Exploration Company, P.O. Box 7097, Houma, Louisiana 70361-7097.
3. In order to ensure the safety of all parties, the permittee shall contact the Louisiana ONE CALL System (1-800-272-3020), a minimum of 48 hours prior to the commencement of any excavation (Digging, Dredging, Jetting, etc.) or demolition activity.
4. Structures will also be marked/lighted in accordance with U.S. Coast Guard regulations.

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DISCLAIMER: At this time, C.H. Fenstermaker & Associates, LLC has not performed nor has been asked to perform any type of engineering, hydrological modeling, flood plain, or "No Rise" certification analyses, including but not limited to determining whether the project will impact flood hazards in connection with federal/FEMA, state, and/or local laws, ordinances and regulations. Accordingly, Fenstermaker makes no warranty or representation of any kind as to the foregoing issues, and persons or entities using this information shall do so at their own risk.

TEXAS PETROLEUM INVESTMENT COMPANY

PROPOSED PROPWASH & STRUCTURES

Little "M" Prospect

Section 18, T15S-R21E

St. Charles Parish, Louisiana

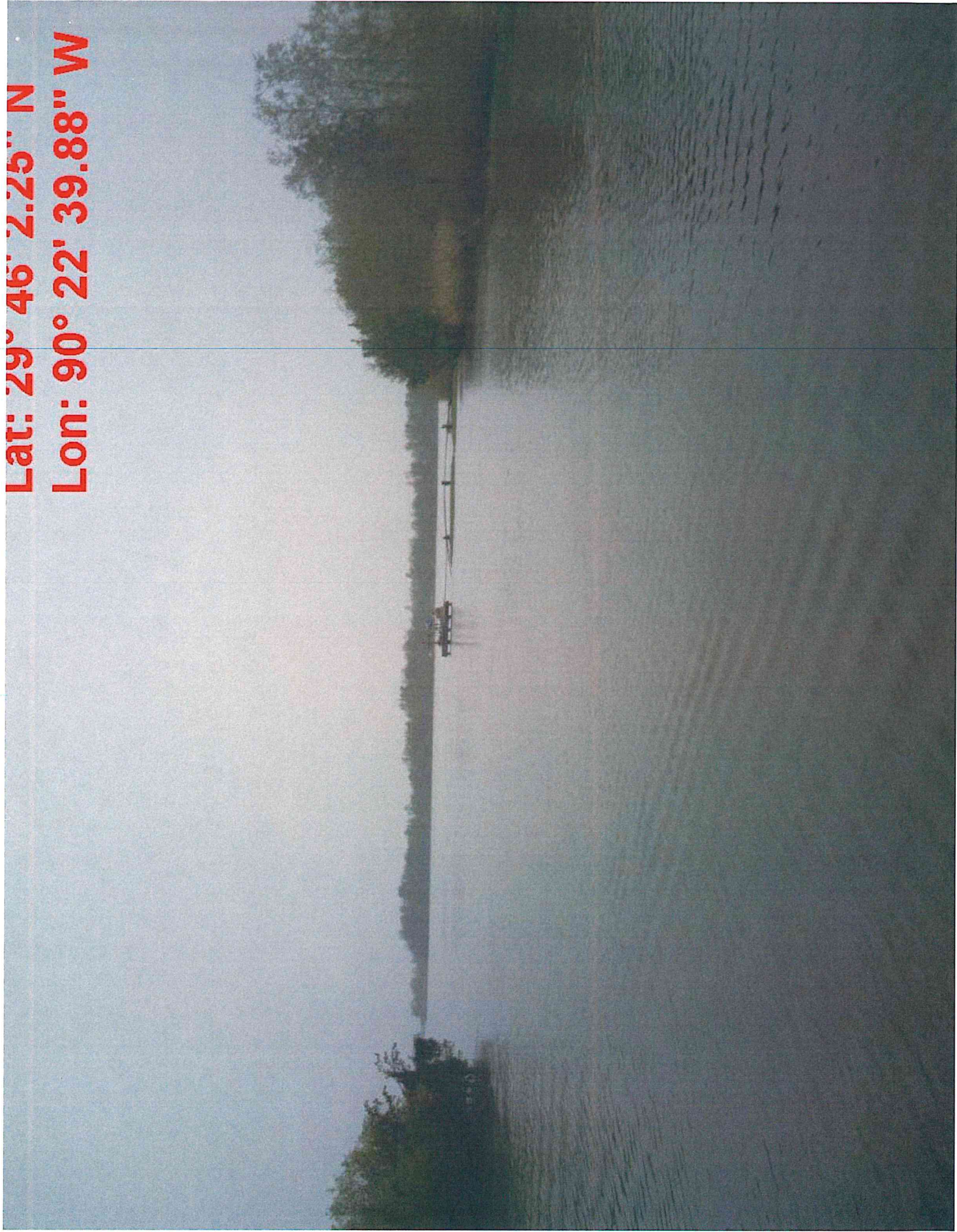


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www.fenstermaker.com

DRAWN BY: KJD	REVISED:	DATE: 06/06/2014
PROJ. MGR.: RLL		SHEET 3 OF 3 SHEETS
FILENAME: T:\2014\2143898\DWG\TPIC_Little M Prospect_COE PLANS.dwg		

Lat: 29° 45' 55.22" N
Lon: 90° 22' 37.87" W





Lat: 29° 46' 2.25" N
Lon: 90° 22' 39.88" W